

Date: Friday, 17/08/2007 11:21:57 AM
 User: Linda Lacelle

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: DUCT
Job Number	: 34104		
Estimate Number	: 12175		
P.O. Number	: N/A	Part Number	: D34761
This Issue	: 17/08/2007 S.O. No. : N/A	Drawing Number	: D3476 REV A
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: N/A Type : SMALL /MED FAB	Drawing Revision	: A
Previous Run	: 32051	Material	: N/A
Written By	: <u>[Signature]</u>	Due Date	: 11/09/2007
Checked & Approved By	: <u>9/07/08 20</u>	Qty:	10 Um: Each
Comment	: Est Rev: A New Issue 06-02-03 JLM		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M304S26GA	304/316 0.018 SHEET
-----	-----------	---------------------



Comment: Qty.: 0.4374 sf(s)/Unit Total : 4.3743 sf(s)

304/316 0.018 SHEET

Batch: M105445 IB 07-08-29

2.0	WATER JET	FLOW WATER JET
-----	-----------	----------------



Comment: FLOW WATER JET

Cut as per Dwg D3476

Dwg Rev: A IB 07-08-29

Prog Rev: A

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
-----	-----	--



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0	QC8	SECOND CHECK
-----	-----	--------------



Comment: SECOND CHECK

Er 9/08/30

(X/D) count 5

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
-----	-------------	-------------------------------



Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Deburr if necessary.

2-Roll as per Dwg D3476

3-Spot weld as per Dwg D3476 and Dart QSI 018

} ml 07/09/04 x10

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☐ No ☒ DQA: D Date: 09/09/05
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 17/08/2007 11:21:57 AM
User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DUCT

Job Number: 34104

Part Number: D34761

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC11

VISUAL INSPECTION OF SPOT WELDING



Comment: VISUAL INSPECTION OF SPOT WELDING

SB 07/09/05 10

7.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

SB 07/09/05 10

8.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

57/60

07/09/05

(10)

9.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

07/09/05 10

Job Completion



07/09/05

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

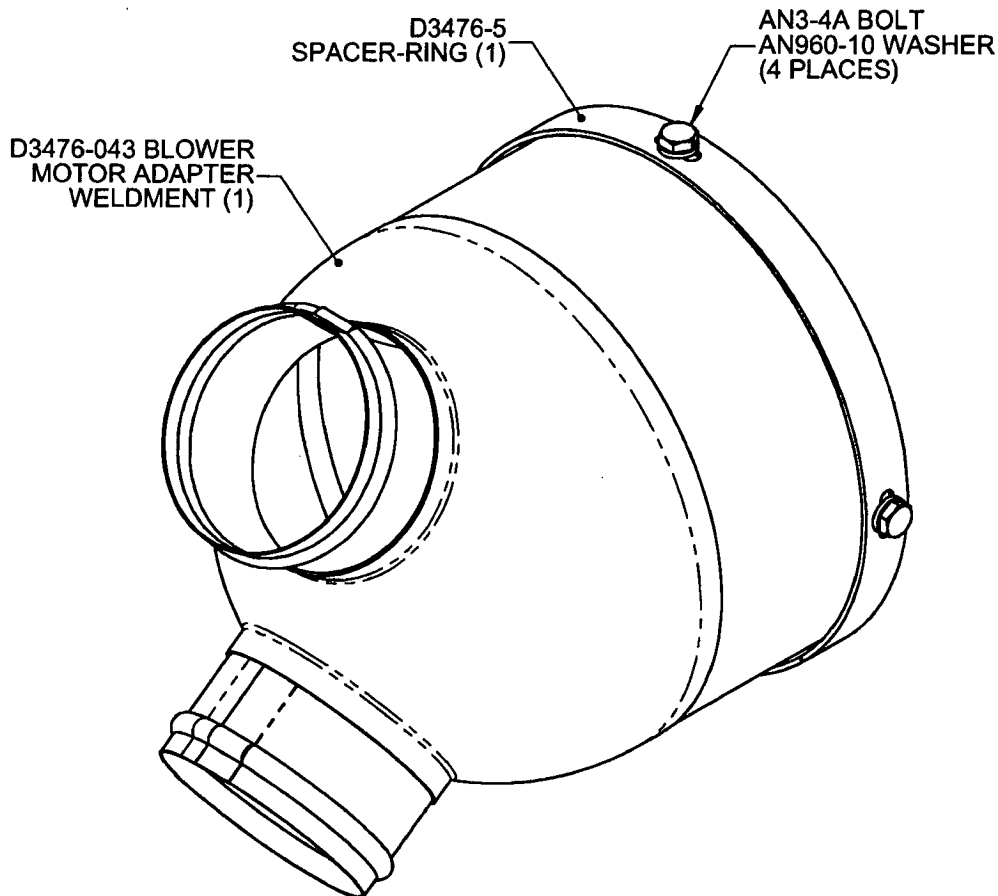
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3476	REV. A SHEET 1 OF 7
DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER SCALE 1:2	
A	06.01.27	NEW ISSUE	

[Signature] 06.04.03



D3476-041 BLOWER MOTOR ADAPTER

- 1) IDENTIFY WITH DART P/N D3476-041 USING FINE POINT PERMANENT INK MARKER

QTY -041	P/N	DESCRIPTION
X	D3476-041	BLOWER MOTOR ADAPTER
1	D3476-043	BLOWER MOTOR ADAPTER WELDMENT
1	D3476-5	SPACER-RING
4	AN3-4A	BOLT
4	AN960-10	WASHER

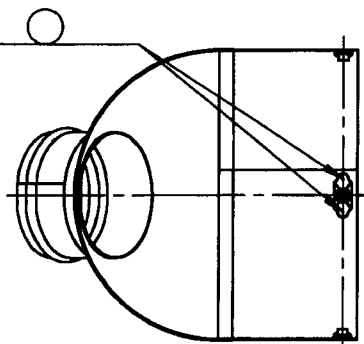
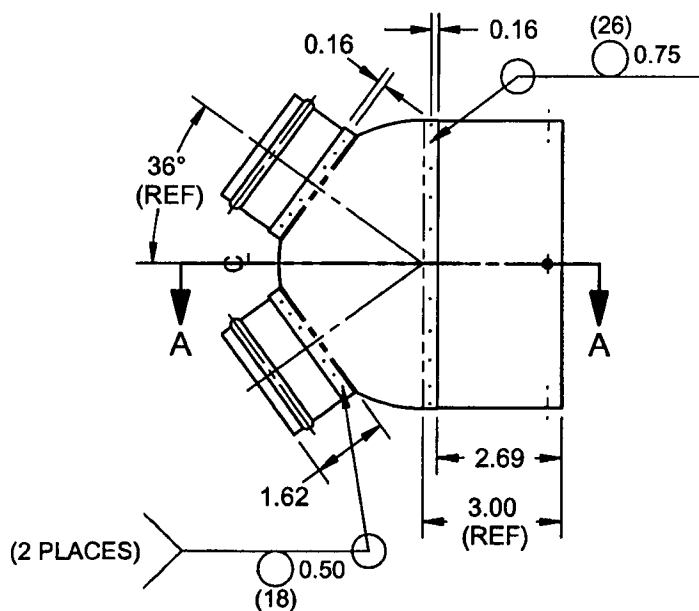
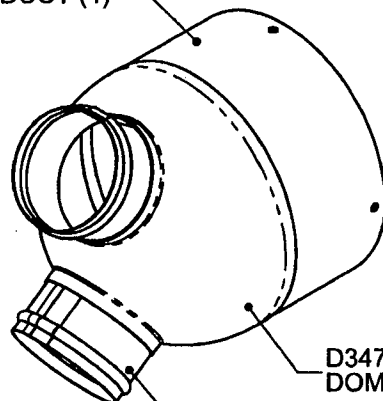
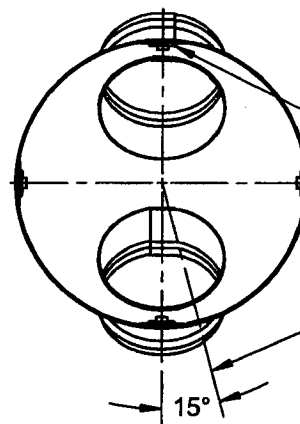
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:4

LOCATE AND
SPOT WELD
NUT PLATES
(4 PLACES)**SECTION A-A**D3476-1
DUCT (1)D3476-3
DOME (1)D3476-7 TUBE
(2 PLACES)NAS-1031C3W
NUT PLATES
(4 PLACES)OFFSET SEAM
ON DUCT

15°

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NO. **34104****D3476-043 BLOWER MOTOR
ADAPTER WELDMENT****NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -043	P/N	DESCRIPTION
X	D3476-043	BLOWER MOTOR ADAPTER WELDMENT
1	D3476-1	DUCT
1	D3476-3	DOME
2	D3476-7	TUBE
4	NAS1031C3W	NUTPLATE

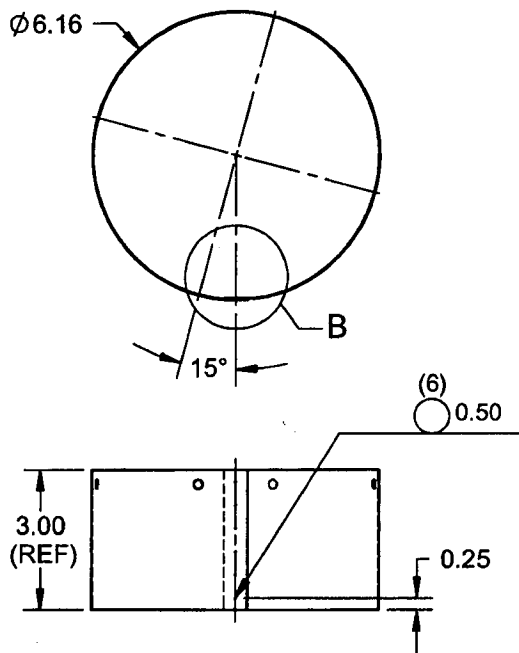
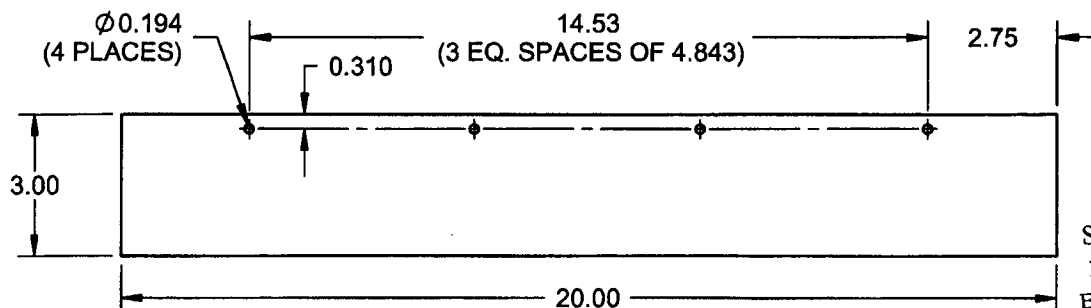
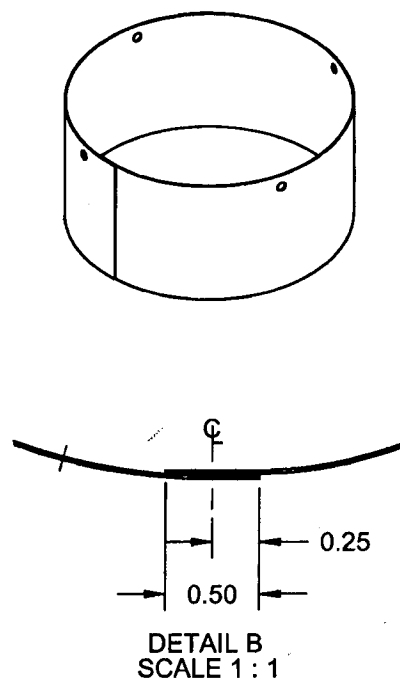
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:4

06.07.03

**D3476-1 DUCT****D3476-1F DUCT FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
(REF. DART SPEC. M304S26GA)
- 2) SPOT WELD PER DART QSI 004
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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REV. A

D3476

SHEET 4 OF 7

DATE

06.01.27

TITLE

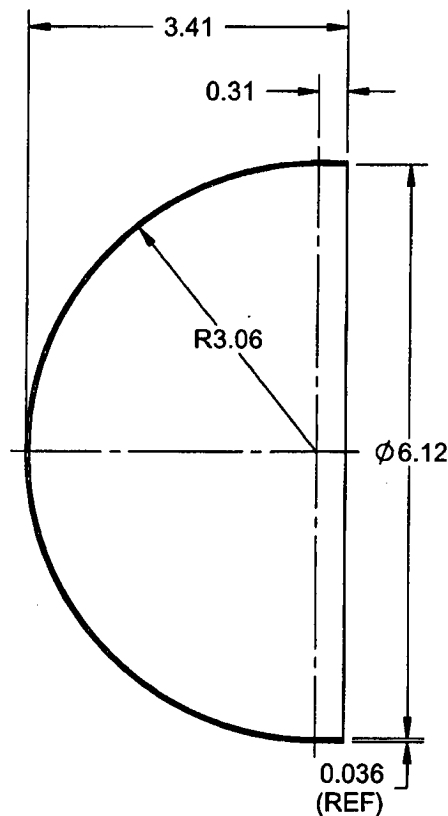
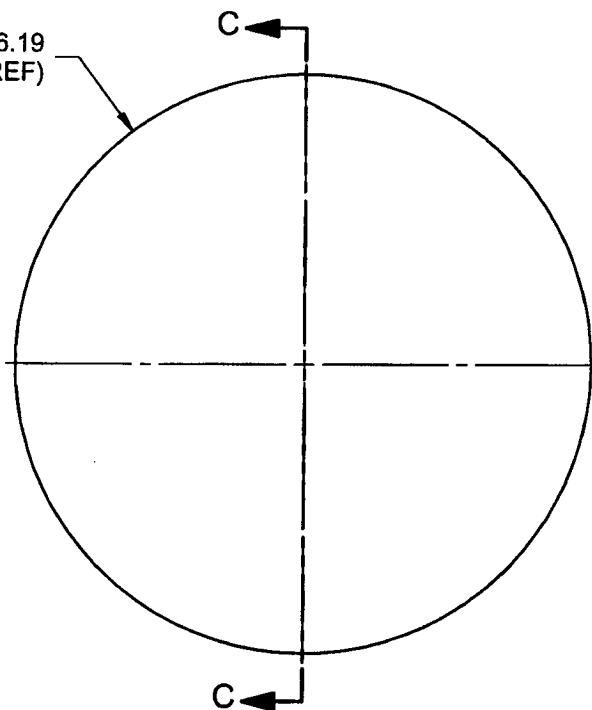
BLOWER MOTOR ADAPTER

SCALE

1:2

RELEASED

06.04.03

 $\phi 6.19$
(REF)**SECTION C-C****D3476-3S DOME, SPINNING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.036 THICK PER MIL-S-5019 (ANNEALED) 2B FINISH (REF. DART SPEC. M304S20GA)
- 2) FORM BY SPINNING TO DIMENSION WITHOUT EXCESS THINNING OF MATERIAL (MINIMUM THICKNESS = 0.025").
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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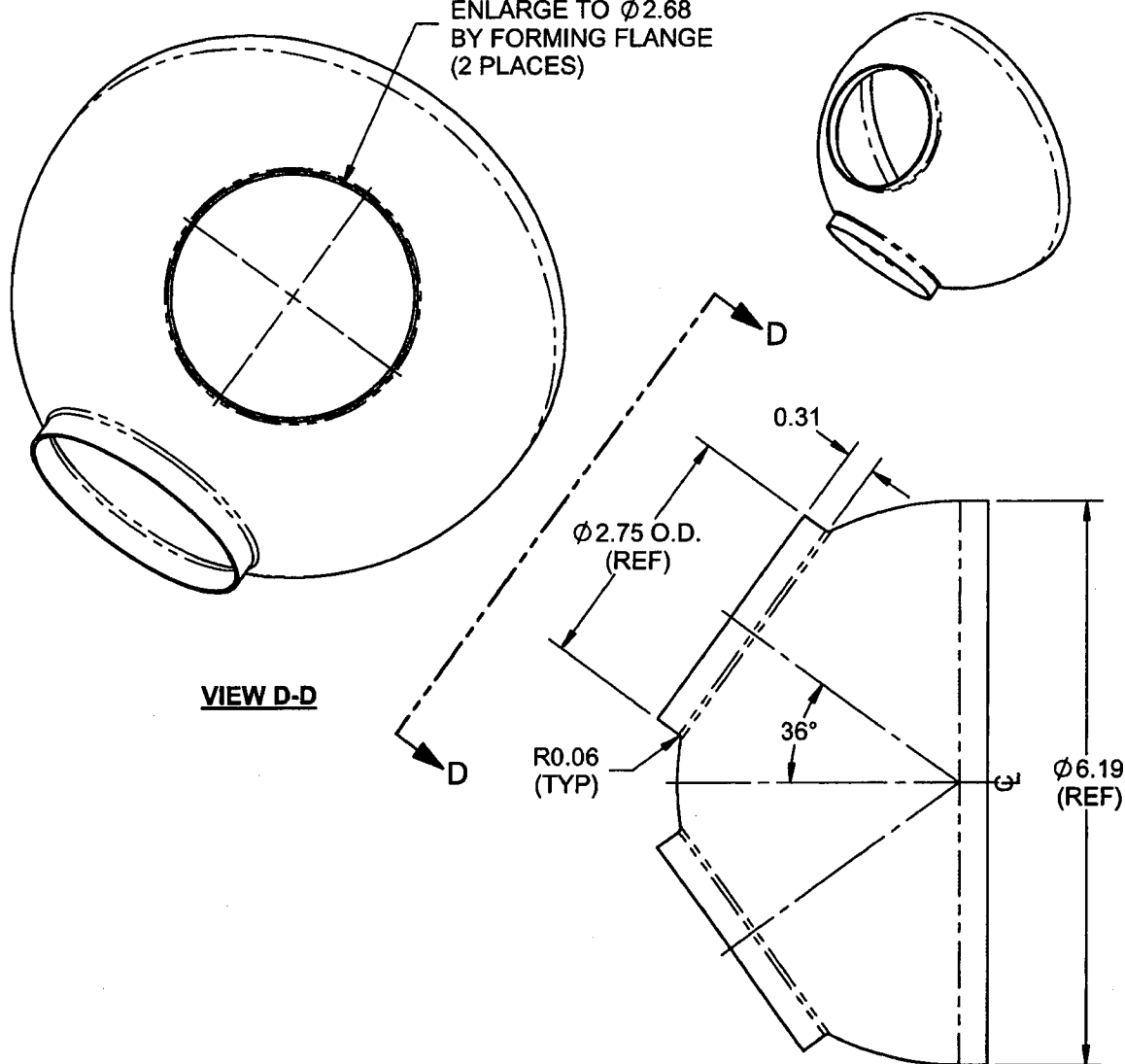
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:2

06.04.03

CUT $\phi 2.25$ HOLE,
ENLARGE TO $\phi 2.68$
BY FORMING FLANGE
(2 PLACES)



D3476-3 DOME

NOTES:

- 1) MATERIAL: MAKE FROM D3476-3S
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

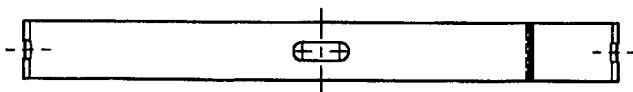
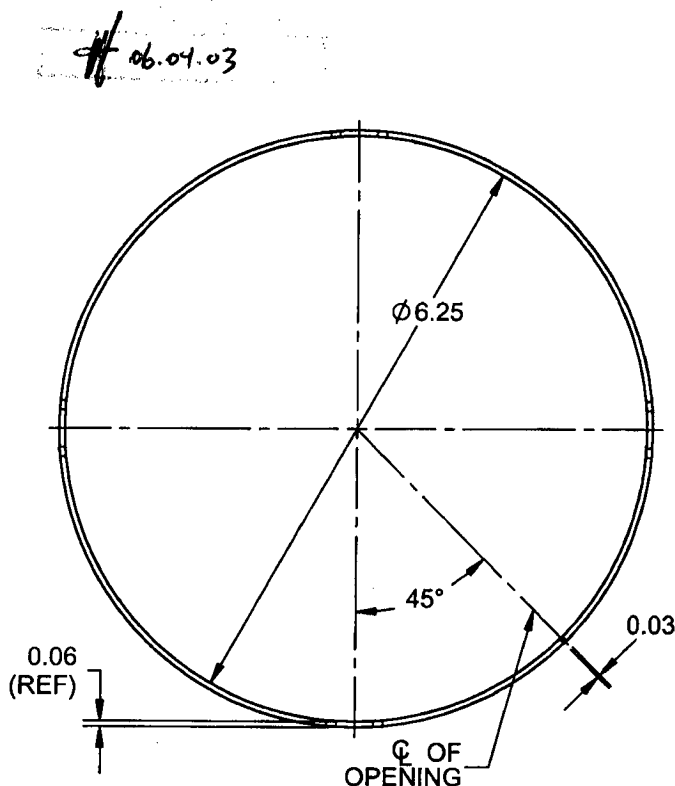
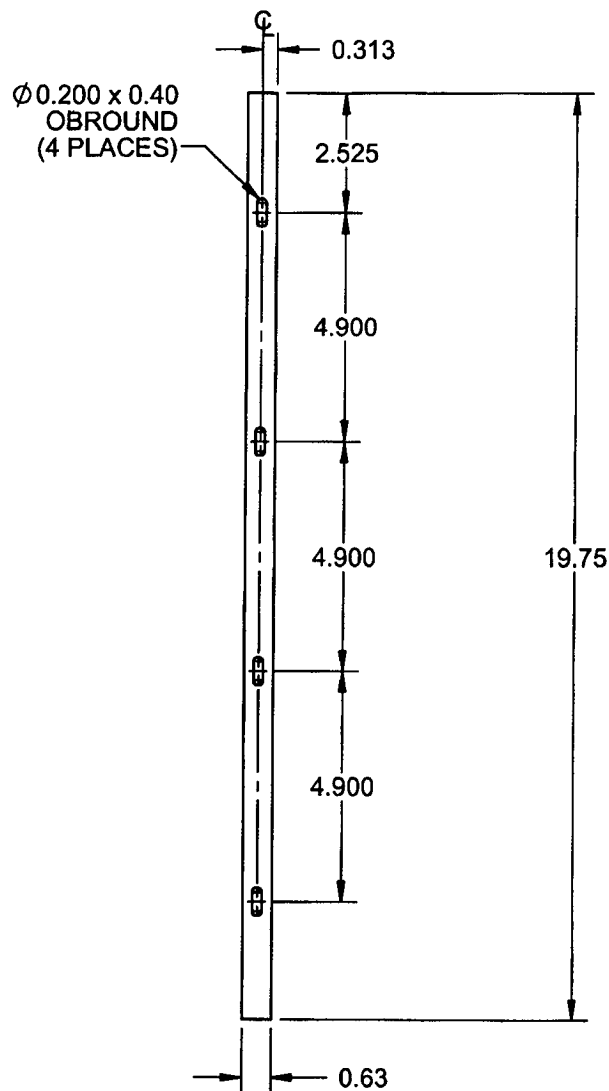
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:2

**D3476-5 SPACER-RING****D3476-5F SPACER-RING**
FLAT PATTERN**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, 0.063 THICK, PER MIL-S-5019 (ANNEALED), 2B FINISH (REF. DART SPEC. M304S16GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

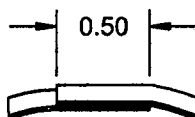
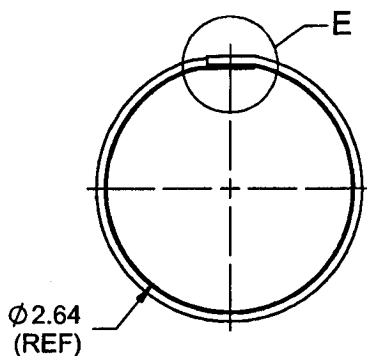
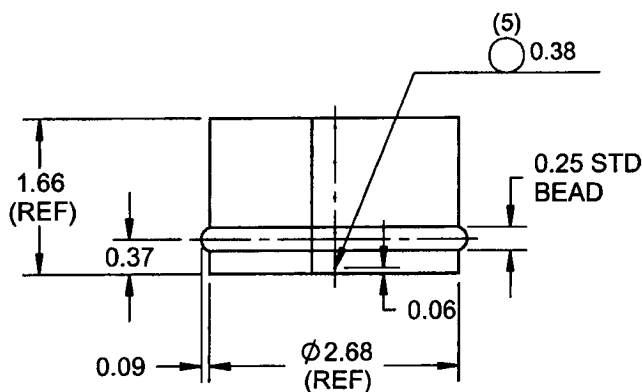
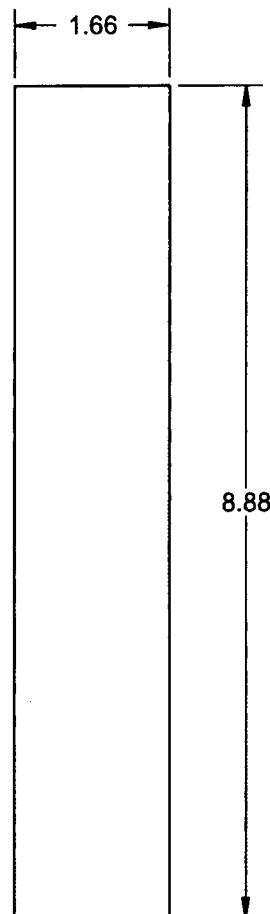
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DATE 06.01.27		TITLE BLOWER MOTOR ADAPTER	SCALE 1:2

HA 06.04.03DETAIL E
SCALE 1:1**D3476-7 TUBE****D3476-7 TUBE
FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
(REF. DART SPEC. M304S26GA)
- 2) SPOT WELD PER DART QSI 004
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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10-54

SPOT WELD TEST RECORD
AMS-W-6858A
CLASS 'C'

TEST NO#: 1

EMPLOYEE: Manique Lepage

PART NUMBER: D 3476-1

JOB NUMBER: 34104

MATERIAL TYPE: 304 1018 sheet

MATERIAL THICKNESS: .011

GROUP SPECIFICATION

- ☐ Group 1: Aluminum & magnesium
☐ Group 2: Iron; nickel; cobalt
☒ Group 3: Titanium

TEST RESULTS

	PASS	FAIL	
VISUAL:	[/]	[]	
PENETRATION:	[/]	[]	
PULL STRENGTH:	[/]	[]	PSI Reading: _____

Qualified in accordance with standard AMS-W-6858A and QSI 004 (ref: 4.3)

DATE OF TEST COUPON: 07/09/04
QUALIFIER: JB